

TITLE OF THE INVENTION

DNA Encoding the Human Serine Protease EOS

ABSTRACT OF THE INVENTION

5 Here we describe the molecular identification of a cDNA
encoding a novel serine protease we have termed protease EOS. The
deduced amino acid sequence, and its alignment with other well-
characterized serine proteases indicates that it is a member of the
S1 serine protease family. We have found that the protease EOS mRNA
10 is expressed in platelets and leukocytes and more specifically
eosinophils. Although this protease is abundantly expressed in
ovary, retina and stomach, where it may perform important functions,
its expression in platelets and certain cells of the immune system
suggests that it may play roles in thrombosis and in the immune
15 process. Enzymatically active protease EOS is amenable to further
biochemical analyses for the identification of physiological
substrates and specific modulators

10042091.010802